

### Abstract of the Disclosure

A SNMP agent and configuration server object model and method is detailed that manages configuration information and tasking of components, elements, and modules, of network elements, modular rack chassis's, and network systems. The SNMP agent and configuration server object model and method utilizes objects in an object oriented design approach to represent configuration information for managed modules and elements. This object oriented approach allows for ease of implementation, reduced errors, and faster generation for CLI command sets and MIB databases.